Application No.: 10/065,378   Docket No.: JCLA6435

In The Claims:

Please amend the claims as follows:

Claims 1-2. (cancelled)

Claim 3. (currently amended) ~~The method of claim 2~~ A method of operating a control chip having a multiple-layer defer queue between a first bus and a second bus, the method comprising:

storing a request in the multiple-layer defer queue, wherein the request is issued by the first bus, and the multiple-layer defer queue also provides a request record with respect to the request;

issuing a defer response or a retry response with respect to the request to the first bus;

issuing the request to the second bus;

receiving a responded data with respect to the request from the second bus;

providing the responded data to the first bus if the defer response issues to the first bus; and

providing the responded data to the first bus if the retry response issues to the first bus and only when the first bus again issues the request, wherein after the step of providing the responded data to the first bus, the corresponding request and the corresponding request record in the multiple-layer defer queue are deleted.

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Claim 4. (currently amended) ~~The method of claim 2 The method of claim 2~~ A method of operating a control chip having a multiple-layer defer queue between a first bus and a second bus, the method comprising:

storing a request in the multiple-layer defer queue, wherein the request is issued by the first bus, and the multiple-layer defer queue also provides a request record with respect to the request;

issuing a defer response or a retry response with respect to the request to the first bus;

issuing the request to the second bus;

receiving a responded data with respect to the request from the second bus;

providing the responded data to the first bus if the defer response issues to the first bus; and

providing the responded data to the first bus if the retry response issues to the first bus and only when the first bus again issues the request, wherein the request record comprises:

an identification code field, used to store an identification code with respect to the request;

a flag field, used to judge whether the request is one selected from the group consisting of the retry response and the defer response; and

an effective data field, used to enable the effective data field when the responded data is received.

Claims 5-8. (cancelled)

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Claim 9. (currently amended) ~~The method of claim 8~~<u>A method of operating a control chip having a multiple-layer defer queue between a first bus and a second bus, the method comprising:</u>

<u>storing a plurality of requests issued from the first bus in the multiple-layer defer queue, wherein each of the requests has corresponding one response selected from the group consisting of a retry response and a defer response to be responded to the first bus, wherein the multiple-layer defer queue also provides a request record with respect to each of the requests;</u>

<u>sequentially issuing the requests to the second bus, wherein the requests at least includes a first request;</u>

<u>receiving a responded data with respect to the first request from the second bus;</u>

<u>providing the responded data to the first bus if the defer response with respect to the first request issues to the first bus; and</u>

<u>providing the responded data to the first bus if the retry response with respect to the first request issues to the first bus and only when the first bus again issues the first request,</u> wherein after the step of providing the responded data to the first bus, the corresponding one of the requests and the request record in the multiple-layer defer queue are deleted.

Claim 10. (currently amended) ~~The method of claim 8~~<u>A method of operating a control chip having a multiple-layer defer queue between a first bus and a second bus, the method comprising:</u>

<u>storing a plurality of requests issued from the first bus in the multiple-layer defer queue, wherein each of the requests has corresponding one response selected from the group consisting</u>

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of a retry response and a defer response to be responded to the first bus, wherein the multiple-layer defer queue also provides a request record with respect to each of the requests;

sequentially issuing the requests to the second bus, wherein the requests at least includes a first request;

receiving a responded data with respect to the first request from the second bus;

providing the responded data to the first bus if the defer response with respect to the first request issues to the first bus; and

providing the responded data to the first bus if the retry response with respect to the first request issues to the first bus and only when the first bus again issues the first request, wherein the request record comprises:

an identification code field, used to store an identification code with respect to each of the requests;

a flag field, used to judge whether each of the requests is one selected from the group consisting of the retry response and the defer response; and

an effective data field, used to enable the effective data field when the responded data with respect to each of the requests is received.

Claim 11. (original) The method of claim 10, wherein when the first bus again issues the first request, an effective bit of the effective data field should be checked to be an enable status, then the responded data is sent to the first bus.

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Claims 12-13 (cancelled)

Claim 14. (previously presented) A method of operating a control chip having a multiple-layer defer queue between a first bus and a second bus, the method comprising:

storing a request in the multiple-layer defer queue, wherein the request is issued by the first bus, and the multiple-layer defer queue also provides a request record with respect to the request, the request record being used for judging whether the request is a retry response or a defer response;

issuing the defer response or the retry response with respect to the request to the first bus;

issuing the request to the second bus;

receiving a responded data with respect to the request from the second bus;

providing the responded data to the first bus if the defer response issues to the first bus; and

providing the responded data to the first bus if the retry response issues to the first bus and only when the first bus again issues the request.